FIG. 1

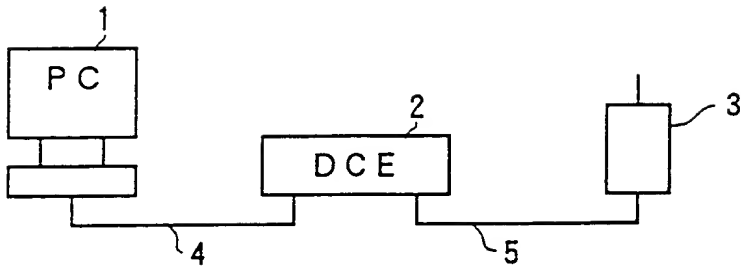

FIG. 2

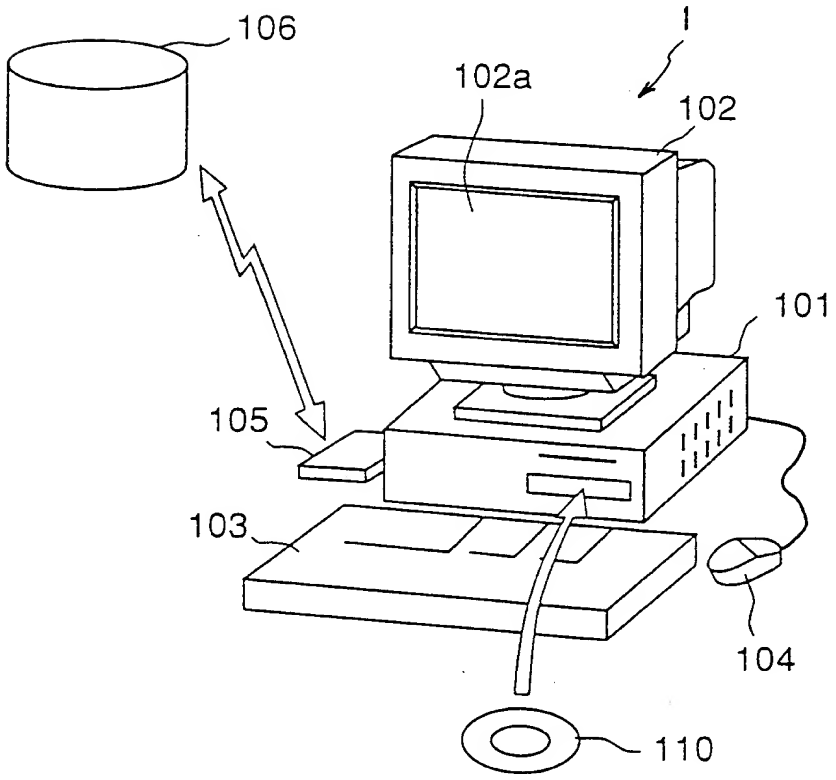

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FIG. 3

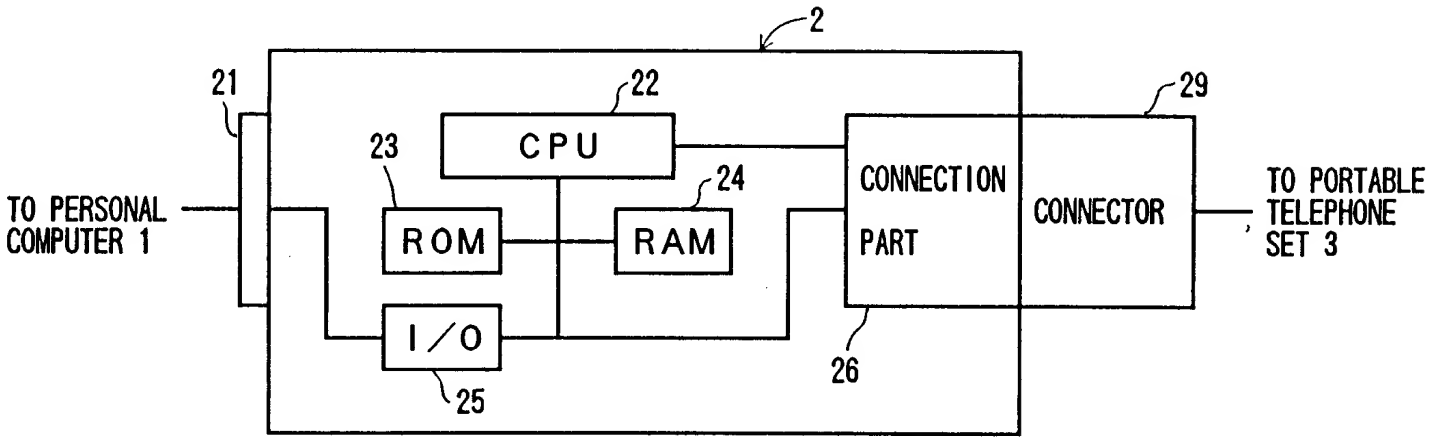

FIG. 4

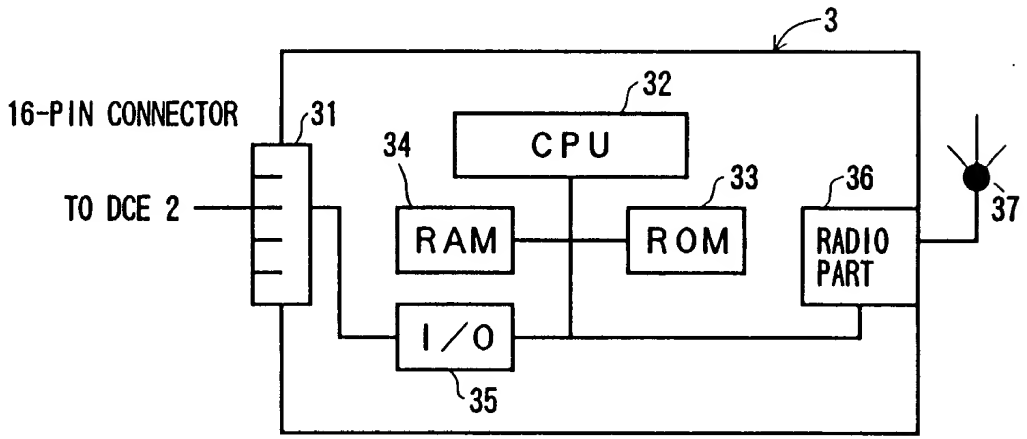
3
16-PIN CONNECTOR
31
32
CPU
34
33
36
TO DCE 2
RAM
ROM
RADIO PART
37
I/O
35

FIG. 5

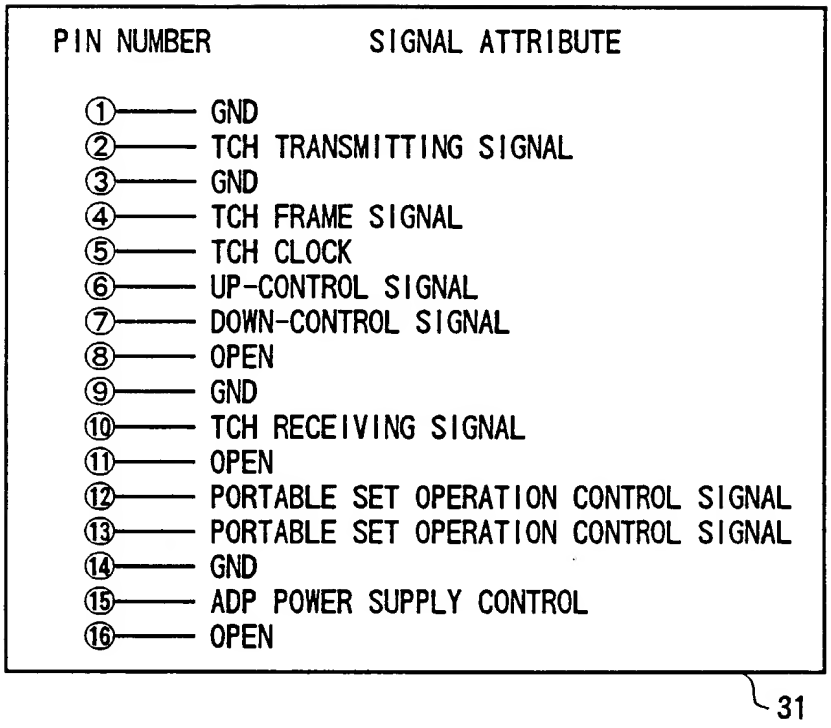
PIN NUMBER
SIGNAL ATTRIBUTE
① GND
② TCH TRANSMITTING SIGNAL
③ GND
④ TCH FRAME SIGNAL
⑤ TCH CLOCK
⑥ UP-CONTROL SIGNAL
⑦ DOWN-CONTROL SIGNAL
⑧ OPEN
⑨ GND
⑩ TCH RECEIVING SIGNAL
⑪ OPEN
⑫ PORTABLE SET OPERATION CONTROL SIGNAL
⑬ PORTABLE SET OPERATION CONTROL SIGNAL
⑭ GND
⑮ ADP POWER SUPPLY CONTROL
⑯ OPEN
31

FIG. 6

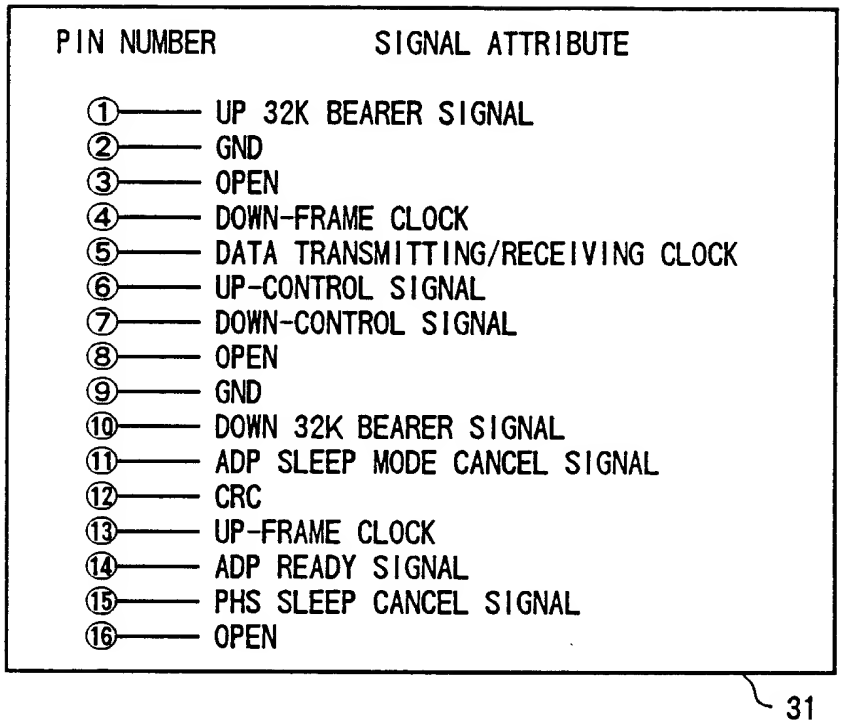
PIN NUMBER
SIGNAL ATTRIBUTE
① UP 32K BEARER SIGNAL
② GND
③ OPEN
④ DOWN-FRAME CLOCK
⑤ DATA TRANSMITTING/RECEIVING CLOCK
⑥ UP-CONTROL SIGNAL
⑦ DOWN-CONTROL SIGNAL
⑧ OPEN
⑨ GND
⑩ DOWN 32K BEARER SIGNAL
⑪ ADP SLEEP MODE CANCEL SIGNAL
⑫ CRC
⑬ UP-FRAME CLOCK
⑭ ADP READY SIGNAL
⑮ PHS SLEEP CANCEL SIGNAL
⑯ OPEN
31

FIG. 7

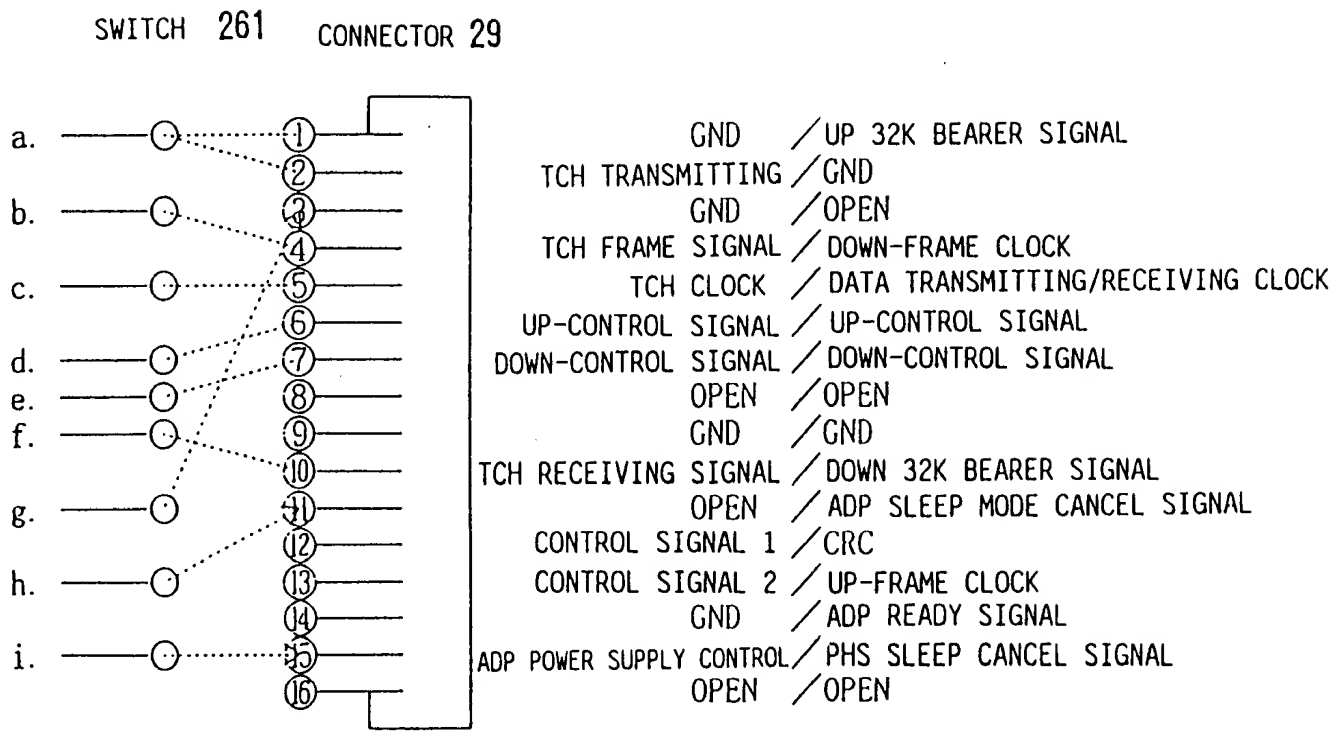
SWITCH 261
CONNECTOR 29
a.
b.
c.
d.
e.
f.
g.
h.
i.
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
GND / UP 32K BEARER SIGNAL
TCH TRANSMITTING / GND
GND / OPEN
TCH FRAME SIGNAL / DOWN-FRAME CLOCK
TCH CLOCK / DATA TRANSMITTING/RECEIVING CLOCK
UP-CONTROL SIGNAL / UP-CONTROL SIGNAL
DOWN-CONTROL SIGNAL / DOWN-CONTROL SIGNAL
OPEN / OPEN
GND / GND
TCH RECEIVING SIGNAL / DOWN 32K BEARER SIGNAL
OPEN / ADP SLEEP MODE CANCEL SIGNAL
CONTROL SIGNAL 1 / CRC
CONTROL SIGNAL 2 / UP-FRAME CLOCK
GND / ADP READY SIGNAL
ADP POWER SUPPLY CONTROL / PHS SLEEP CANCEL SIGNAL
OPEN / OPEN

FIG. 8

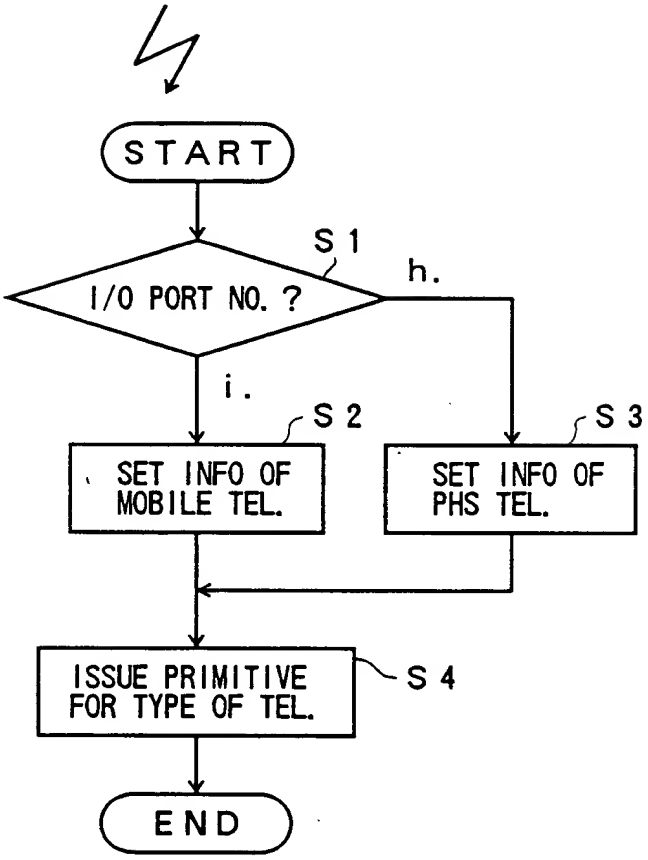
START
S 1
I/O PORT NO. ?
h.
i.
S 2
SET INFO OF MOBILE TEL.
S 3
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S 4
END

FIG. 9

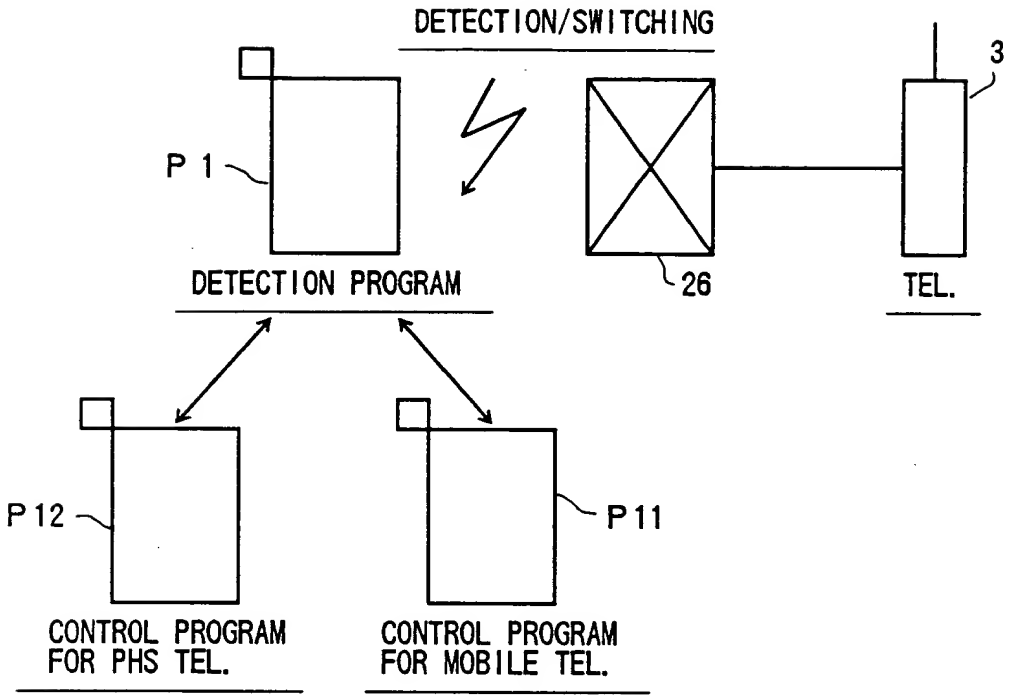
DETECTION/SWITCHING
3
P 1
DETECTION PROGRAM
26
TEL.
P 12
P 11
CONTROL PROGRAM
FOR PHS TEL.
CONTROL PROGRAM
FOR MOBILE TEL.

FIG. 10

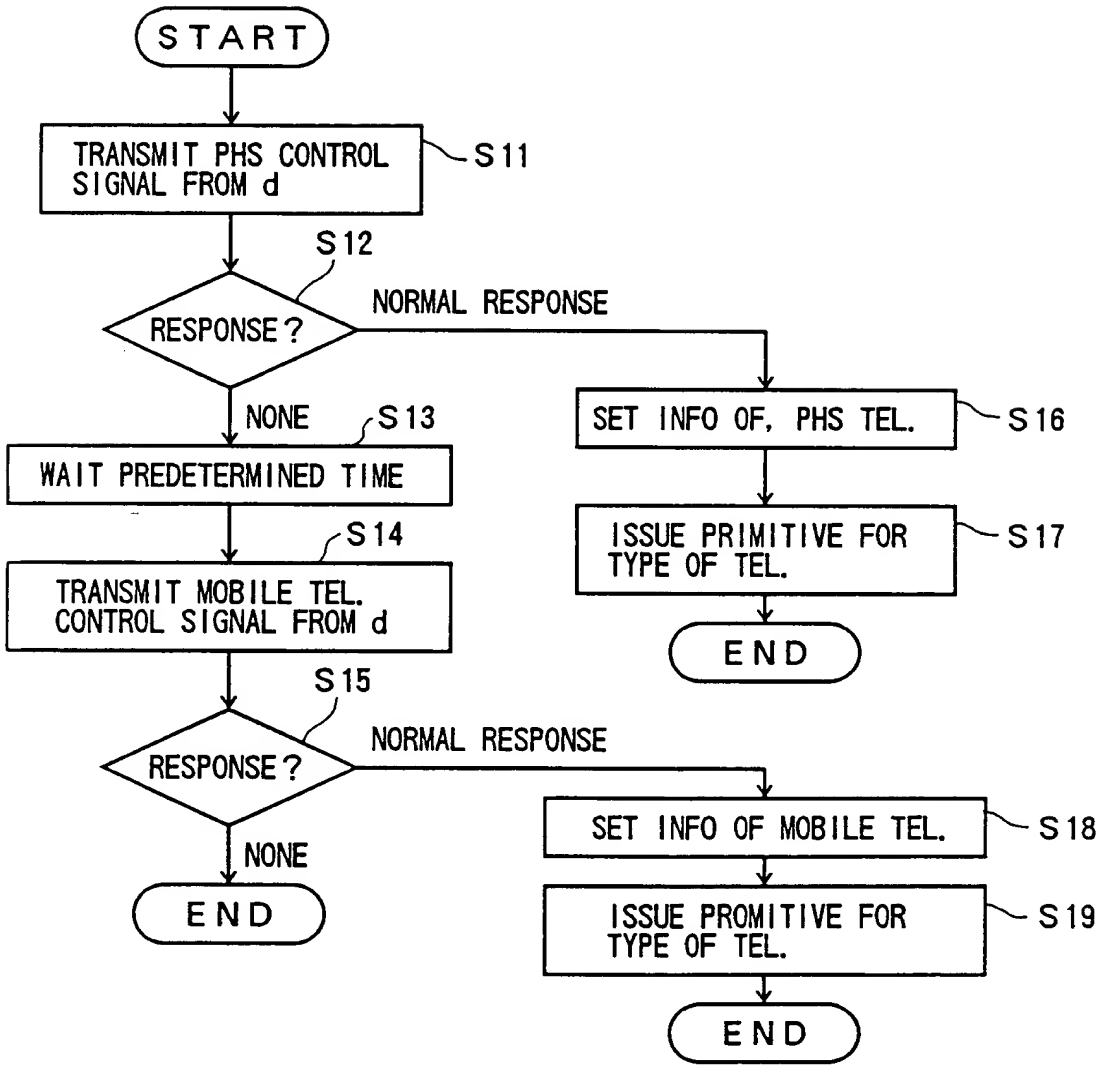
START
TRANSMIT PHS CONTROL SIGNAL FROM d
S11
S12
RESPONSE?
NORMAL RESPONSE
NONE
S13
WAIT PREDETERMINED TIME
S14
TRANSMIT MOBILE TEL. CONTROL SIGNAL FROM d
S15
RESPONSE?
NORMAL RESPONSE
NONE
END
SET INFO OF, PHS TEL.
S16
ISSUE PRIMITIVE FOR TYPE OF TEL.
S17
END
SET INFO OF MOBILE TEL.
S18
ISSUE PROMITIVE FOR TYPE OF TEL.
S19
END

FIG. 11

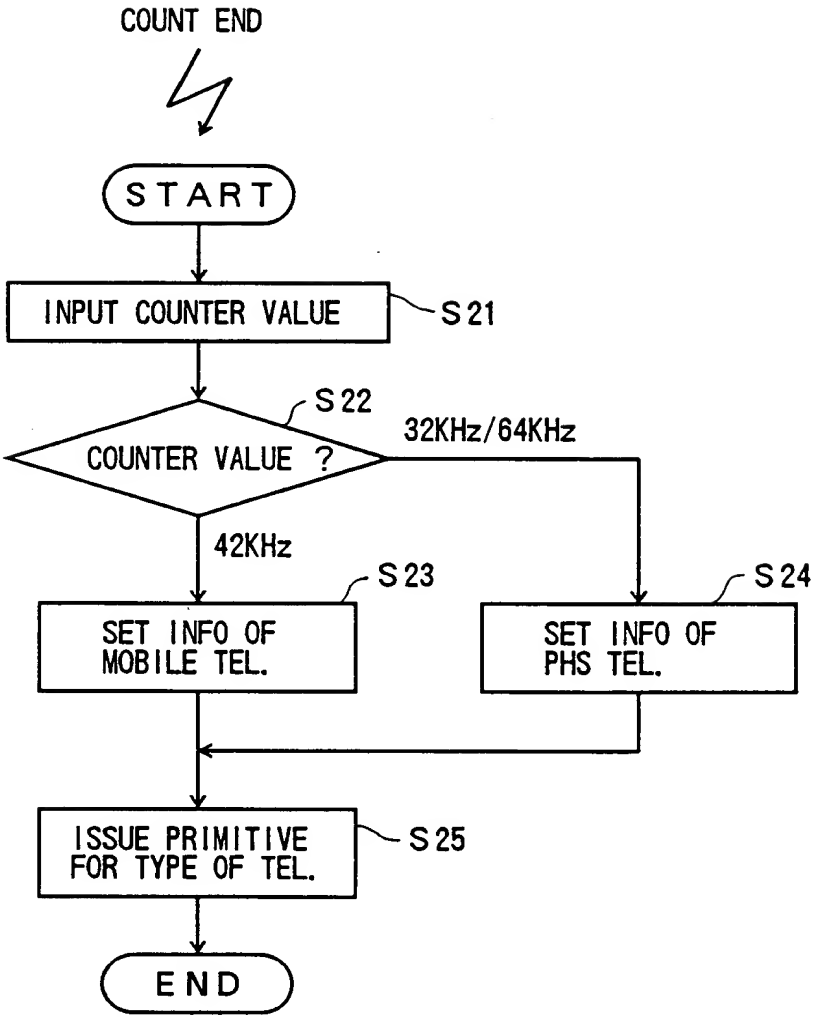
COUNT END
START
INPUT COUNTER VALUE
S21
S22
COUNTER VALUE ?
32KHz/64KHz
42KHz
S23
SET INFO OF MOBILE TEL.
S24
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S25
END

FIG. 12

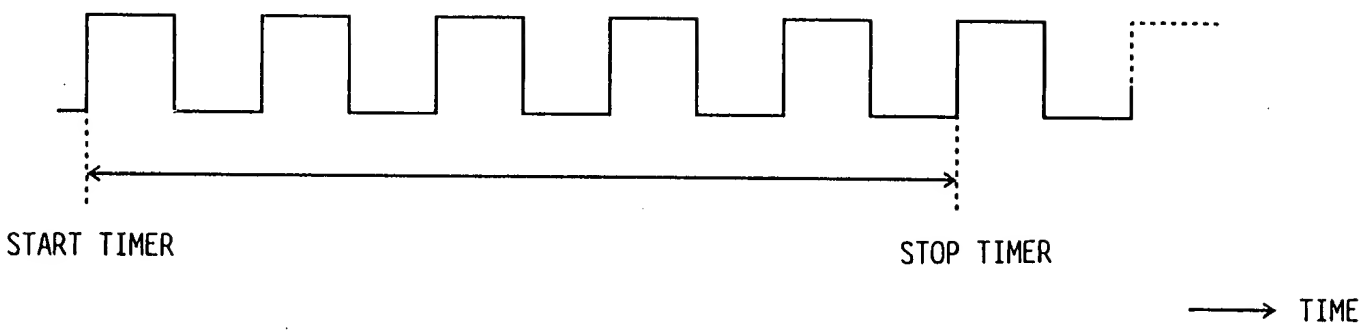

FIG. 13

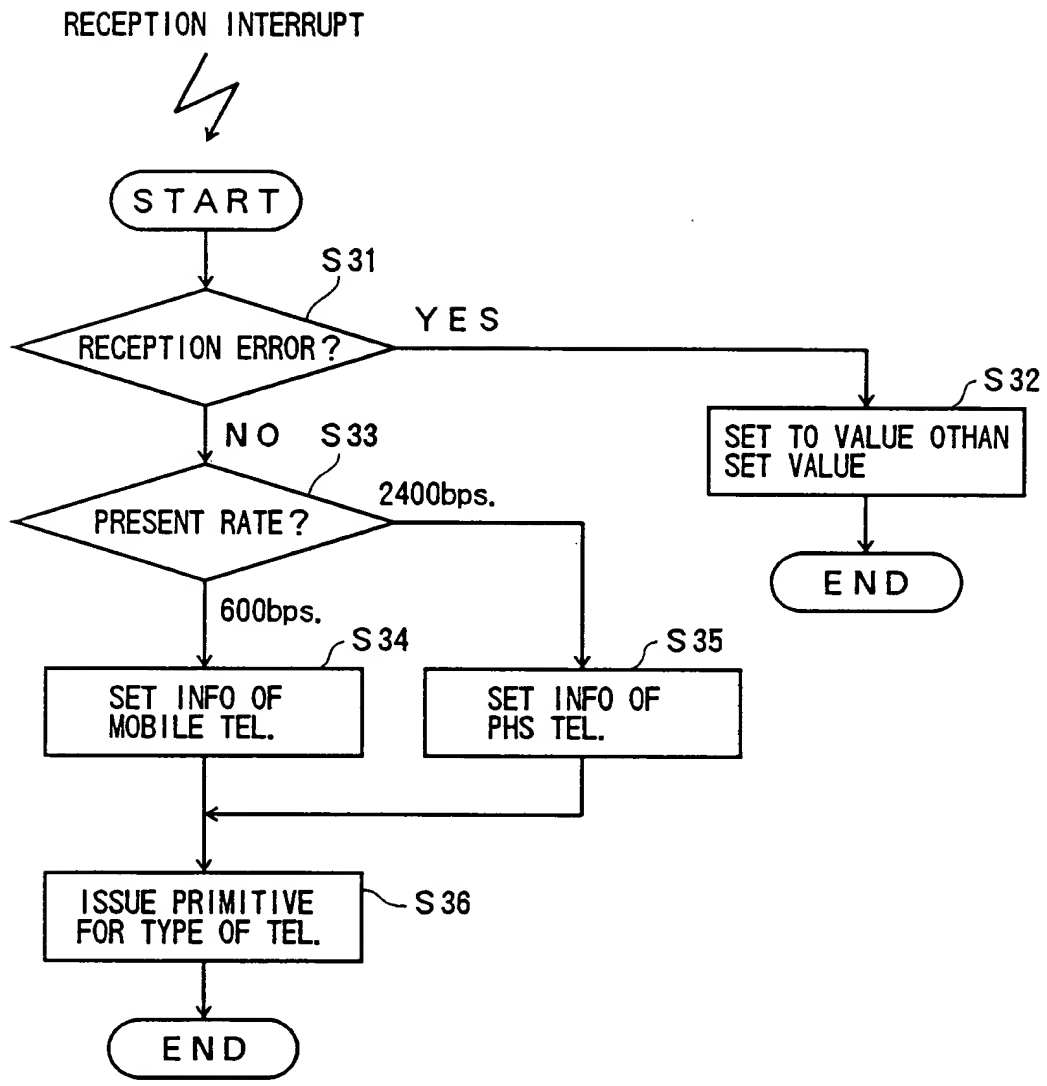
RECEPTION INTERRUPT
START
S31
RECEPTION ERROR?
YES
S32
SET TO VALUE OTHAN SET VALUE
END
NO
S33
PRESENT RATE?
2400bps.
600bps.
S34
SET INFO OF MOBILE TEL.
S35
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S36
END

FIG. 14

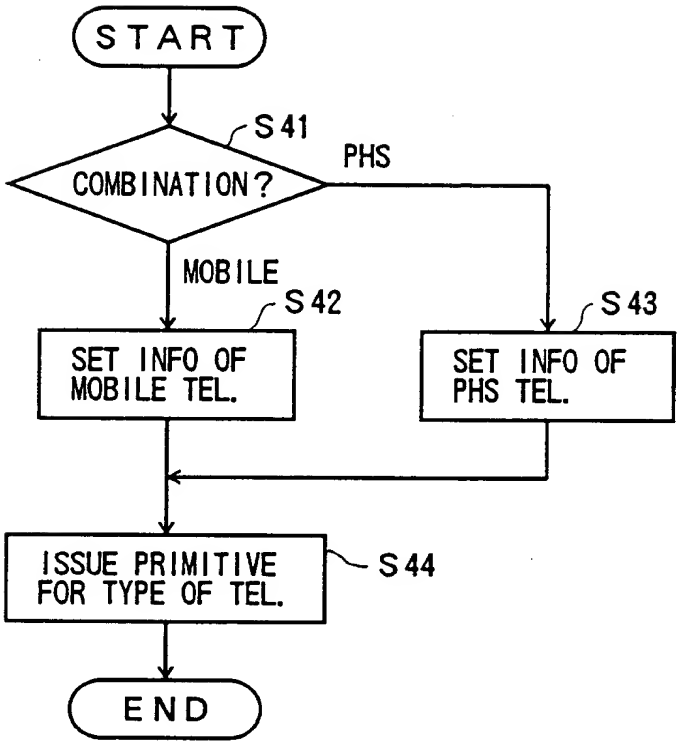
START
S41
COMBINATION?
PHS
MOBILE
S42
SET INFO OF MOBILE TEL.
S43
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S44
END

FIG. 15

PIN NUMBER	1	2	3	8	9	11	14	16
MOBILE TEL.	G	—	G	O	G	O	G	O
PHS TEL.	—	G	O	O	G	—	—	O

G : GND
O : OPEN

FIG. 16A

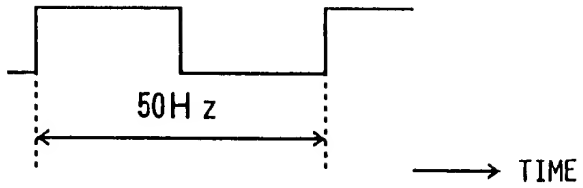

FIG. 16B

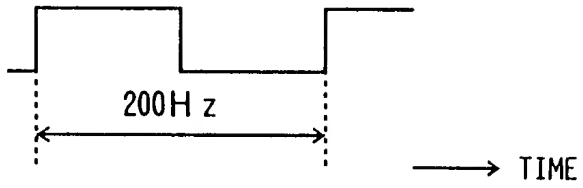

FIG. 17

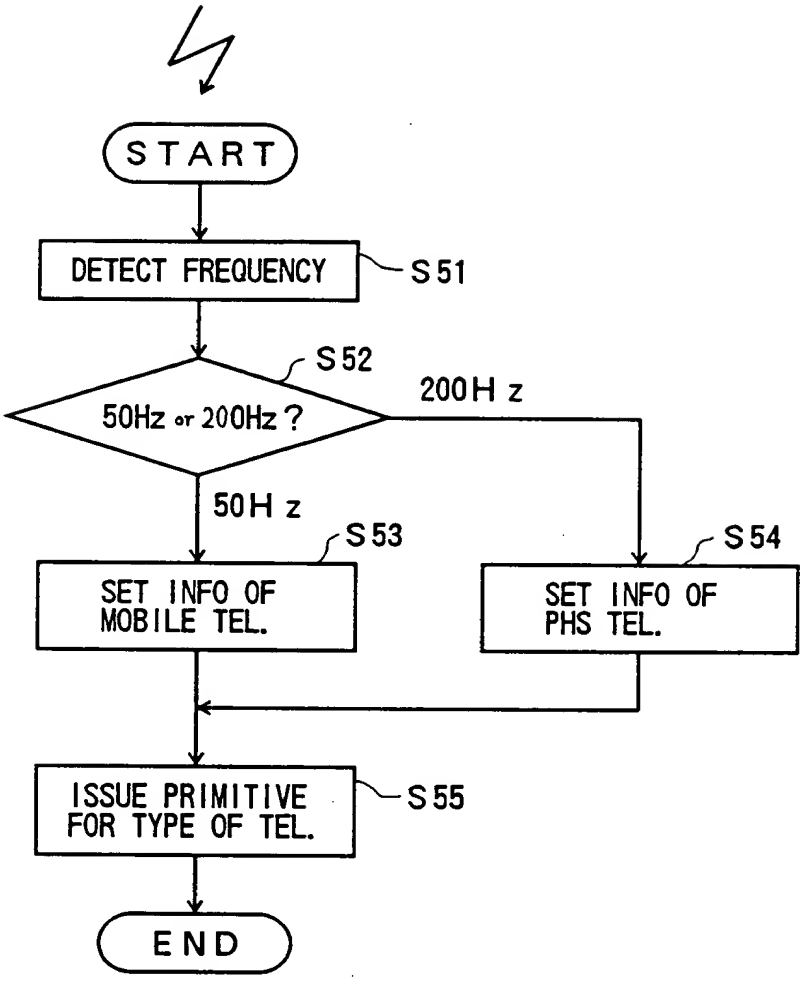
START
DETECT FREQUENCY
S51
S52
50Hz or 200Hz ?
200Hz
50Hz
S53
SET INFO OF MOBILE TEL.
S54
SET INFO OF PHS TEL.
ISSUE PRIMITIVE FOR TYPE OF TEL.
S55
END

FIG. 18

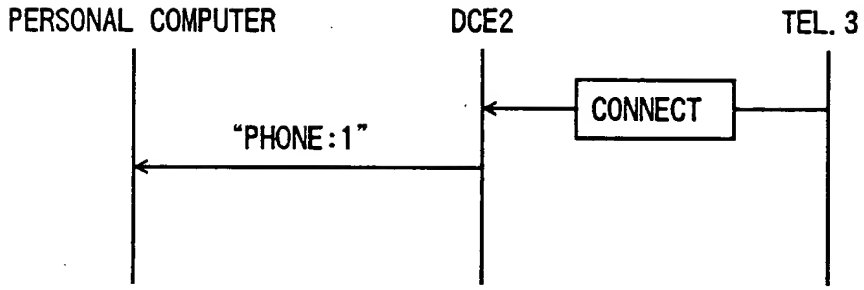

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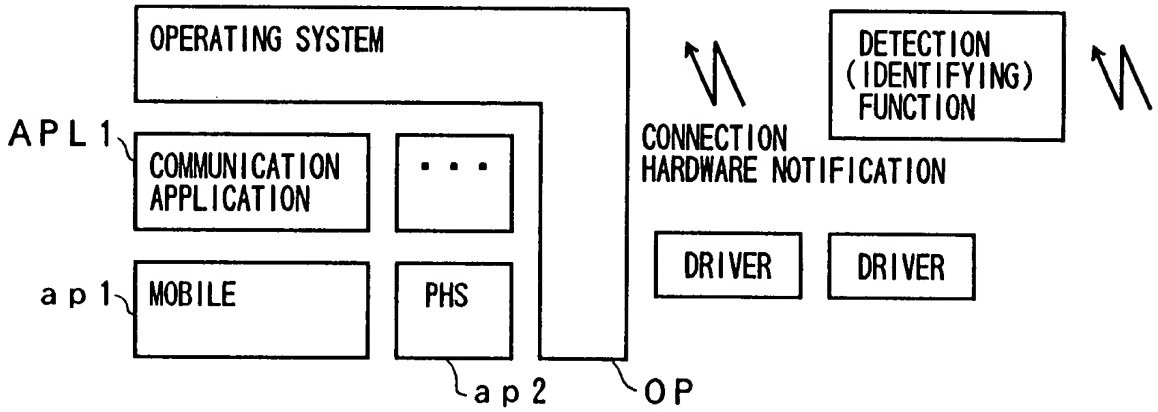
FIG. 19



JP2000-66895660

FIG. 20

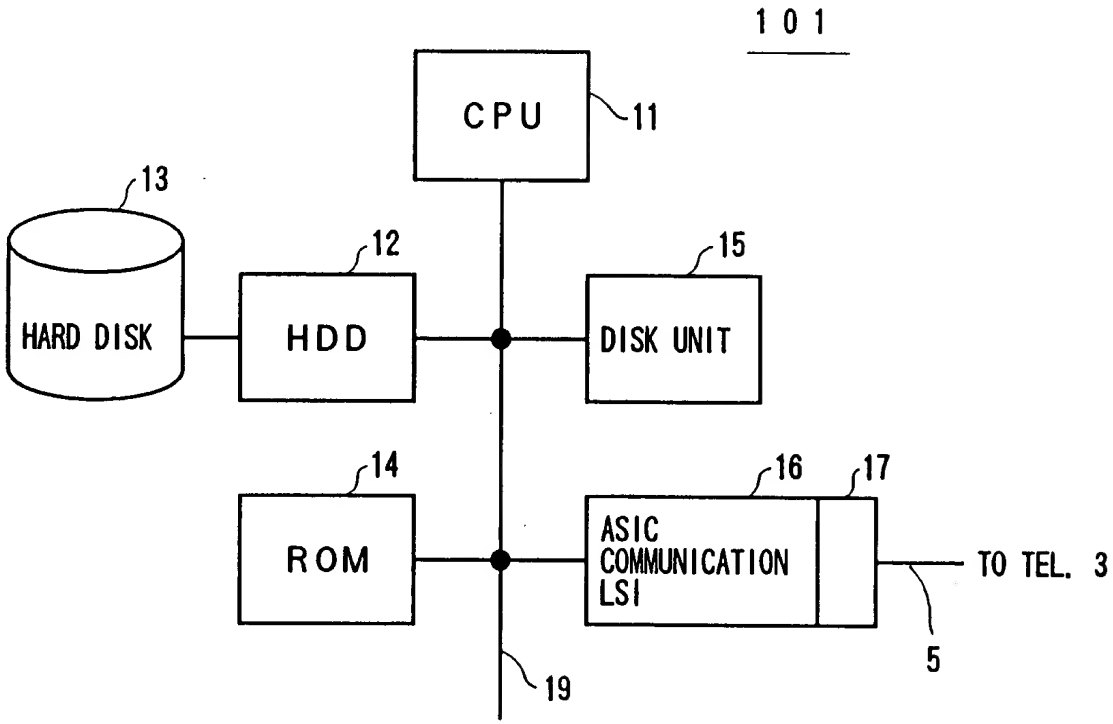


FIG. 21

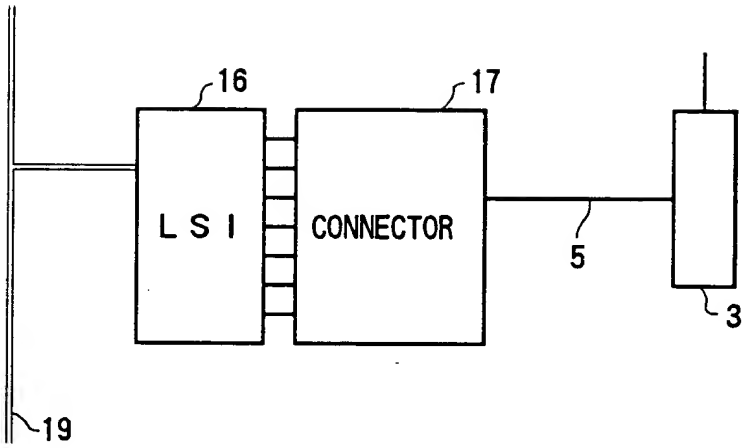
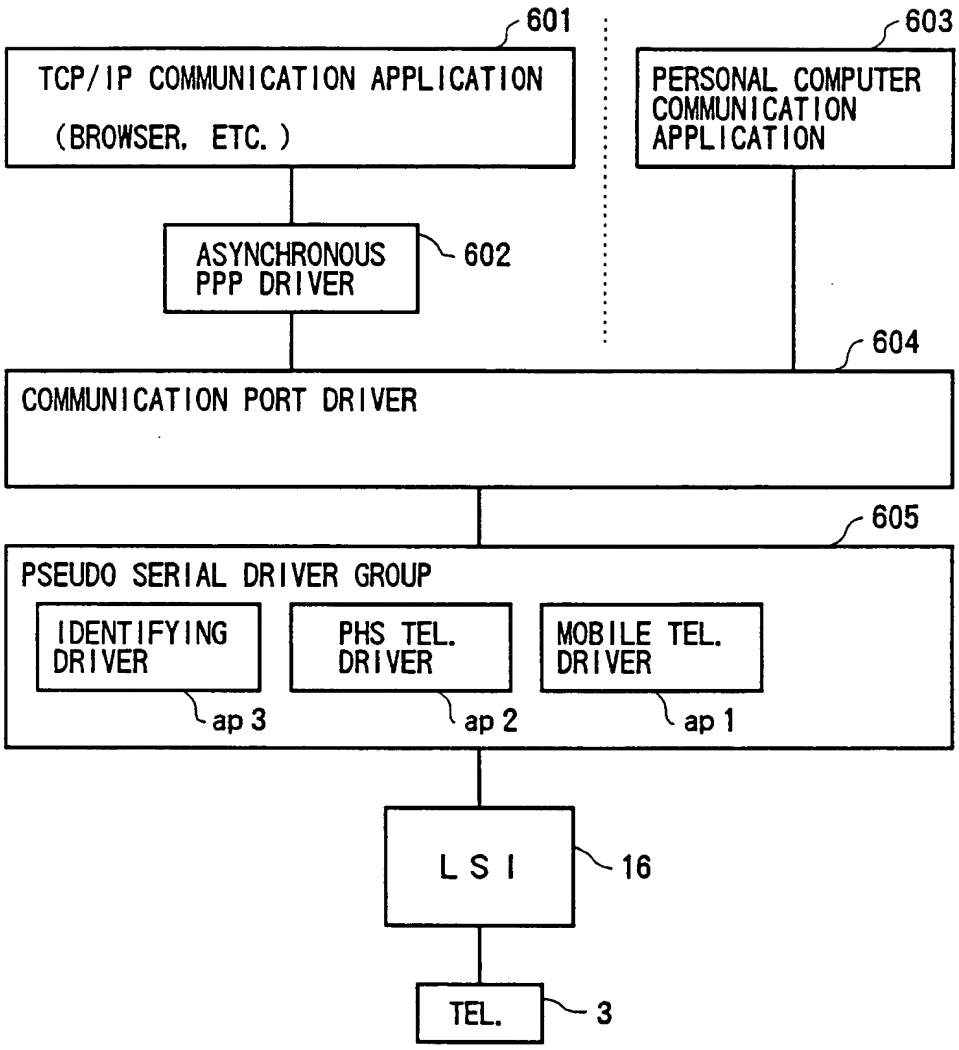


FIG. 22


601
TCP/IP COMMUNICATION APPLICATION
(BROWSER, ETC.)
603
PERSONAL COMPUTER COMMUNICATION APPLICATION
ASYNCHRONOUS PPP DRIVER
602
604
COMMUNICATION PORT DRIVER
605
PSEUDO SERIAL DRIVER GROUP
IDENTIFYING DRIVER
PHS TEL. DRIVER
MOBILE TEL. DRIVER
ap 3
ap 2
ap 1
LSI
16
TEL.
3